From:	Smith, Monica
To:	Brescia, Nicolas
Subject:	FW: Request from ADEQ to have removal look at samples from Hope Iron & Metal
Date:	Friday, March 04, 2016 12:45:01 PM
Attachments:	Figure 3-2 AddtionalSampling Locations.pdf ATT00001.htm Additional Sampling Event Surface Soil Samples Table.doc ATT00002.htm Hope I&M ESI small.pdf ATT00003.htm

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Nic – this is what I have from Susan. You need to talk to her next week, so you can make your plans as it seems your months are filling up quickly. Monica

Begin forwarded message:

> **From:** "Cook, Brenda" <cook.brenda@epa.gov>
> **To:** "Webster, Susan" <webster.susan@epa.gov>, "Villarreal, Chris" <villarreal.chris@epa.gov>, "Ofosu, Philip" <Ofosu.Philip@epa.gov>, "Petersen, Chris" <petersen.chris@epa.gov>
> **Cc:** "Baker, Brett" <BAKERB@adeq.state.ar.us>
> **Subject: Request from ADEQ to have removal look at samples from Hope Iron & Metal**
>
> Hi Susan,
>
> We had a conference call last week with ADEQ regarding Hope Iron and Metal, the state had conducted an ESI –but the site did not score sufficiently for NPL consideration. The site is an abandoned metal salvage yard that also had PCP transformers on-site. On-site soil concentrations on-site and in off-site residential areas have high concentrations of Lead, Cadmium, Copper and Zinc as well as PCB's and some PAH's. ADEQ has asked that we forward this information to our removal folks for consideration. I am attaching the ESI (which has the on-site results), the off-site residential soil samples and results (table below) for you to look at. In addition the site is not secure, and there is evidence that residents often access the site- and neighborhood youth frequent the area. Brett Baker is our contact for ADEQ on this site. I am copying him on this email. His contact information is below.
>
> Brett Baker
> Site Assessment Supervisor
> ADEQ Hazardous Waste Division
> 5301 Northshore Drive
> NLR, AR 72118
> 501-682-0874

Analyte

SS2-01

SS2-02

SS2-03

SS2-04

SS2-05

SS2-06

Residential RSL

Industrial RSL

Highest 3X BKND Level

Priority Pollutant Metals:

Antimony

33.2*

27.1

28.2

48.8*

33.7*

0.5

31.0

470

U

Arsenic

19.4**

21.8**

13.6**

22.3**

17.1**

4.5**

0.68

3.0

21.6

Beryllium

U

U

0.6

U

0.6

U

160

2,300

U

Cadmium

71.8*

67.8

44.6

97.0*

57.4

2.2

71.0

980

15.3

Chromium

194

208

272

194

299

12.8

ND

ND

45.6

Copper

6,590*

3,710*

3,950*

7,990*

4,400*

52.2

3,100

47,000

209

Lead

2,920**

3,160**

1,920**

3,760**

3,160**

126

400

800

774

Nickel

325

321

290

543

683

11.7

1,500

22,000

32.4

Selenium

2.1

1.8

1.1

7.6

U

U

390

5,800

U

Thallium

0.9*

1.0*

0.6

0.5

1.2*

U

0.78

12.0

U

Zinc

12,600

13,000

7,630

27,100*

30,300*

220

23,000

350,000

807

Other TAL Metals:

Aluminum

66,600

54,900

30,700

99,900*

74,400

7,310

77,000

1,100,000

19,110

Barium

519

565

489

684

595

856

15,000

220,000

1,077

Calcium

6,320

7,410

8,750

4,330

11,000

4,620

ND

ND

8,460

Cobalt

21.9

21.5

19.5

17.6

21.2

8.9

23.0

350

65.4

Iron

130,000*

109,000*

123,000*

89,600*

108,000*

13,300

55,000

820,000

78,900

Magnesium

1,920

1,860

1,790

2,860

3,070

681

ND

ND

2,043

Manganese

1,670

1,430

1,470

1,300

1,770

1,250

1,800

26,000

8,430

Potassium

242

312

383

238

408

503

ND

ND

1,740

Sodium

128

137

155

192

245

U

ND

ND

U

Vanadium

43.1

38.8

41.5

36.7

42.8

28.8

390

5,800

120.3

SVOCs:

Anthracene

0.543

U

U

U

0.569

U

18,000

230,000

U

Benzo(a)anthracene

2.93**

1.36*

0.841*

U

3.1**

U

0.16

2.9

U

Benzo(a)pyrene

2.76**

1.64**

1.17**

0.563**

3.58**

U

0.016

0.29

U

Benzo(b)fluoranthene

3.96**

2.1*

1.68*

1.08*

4.56**

0.832*

0.16

2.9

U

Benzo(g,h,i)perylene

1.43

1.11

0.845

0.581

1.73

U

ND

ND

U

Benzo(k)fluoranthene

2.64*

1.71*

1.3

0.607

3.59*

0.576

1.6

29.0

U

Bis(2-ethylhexyl)phthalate

1.9

2.9

5.89

0.507

2.55

U

39.0

160

U

Butyl benzyl phthalate

0.812

3.33

U

U

U

U

290

1,200

U

Chrysene

2.89

1.55

1.14

0.510

3.18

U

16.0

290

U

Dibenz(a,h)anthracene

0.563**

U

U

U

0.671**

U

0.016

0.29

U

Di-n-butylphthalate

3.52

0.792

1.13

U

U

U

6,200

82,000

U

Fluoranthene

5.6

2.43

1.09

0.589

5.93

0.359

2,400

30,000

U

Indeno(1,2,3-cd)pyrene

1.39*

1.01*

0.714*

U

1.8*

U

0.16

2.9

U

Phenanthrene

3.34

0.994

0.425

0.215

3.11

U

ND

ND

U

Pyrene

4.38

1.85

1.0

0.572

3.84

0.311

1,800

23,000

U

PCBs:

Aroclor-1242

7.26**

6.78**

39.3**

4.6**

2.57**

U

0.23

0.97

U

Aroclor-1254

10.2**

9.56**

15.6**

7.08**

4.92**

U

0.24

0.97

0.204

Aroclor-1260

11.7**

10.8**

8.79**

15.9**

8.53**

0.084

0.24

0.99

0.170

From: Baker, Brett [mailto:BAKERB@adeq.state.ar.us]
Sent: Friday, December 11, 2015 3:49 PM
To: Cook, Brenda
Cc: Chamberlain, Katie; Ritchie, Douglas; Villarreal, Chris; hynum@adeq.state.ar.us
Subject: Hope Iron & Metal

Brenda,
Per our conversation today, attached are the documents you requested.
The Hope Iron & Metal site has high concentrations of numerous metals (particularly lead), SVOCs, and PCBs. We have been to the site on at least 5 occasions, and every time we were out there persons (teens, kids, and adults) were seen on and crossing the site. The site is not fenced in, which makes it easy for trespassers.
Currently on site, there are two unoccupied buildings. Buried debris (Metal, trash, etc.) is located all throughout the site. It is not known how far below ground surface contamination goes, but numerous subsurface samples indicated high concentrations of metals (particularly lead), SVOCs, and PCBs.
If anything else is need regarding the Hope Iron & Metal site, please let me know.
Thanks,
Brett Baker
Site Assessment Supervisor
ADEQ Hazardous Waste Division
5301 Northshore Drive
NLR, AR 72118
501-682-0874